Figure 1.

A.

GGGGAAGATCTAAAAA NNNNNNNNNNNNNNNNNN TTTTTAAGCTTGGGG

Annealed with Primer P1

GGGGAAGATCTAAAAA NNNNNNNNNNNNNNNNNN TTTTTAAGCTTGGGG

AAAAATTCGAACCCC

Filling in with Klenow fragment

GGGGAAGATCTAAAAA NNNNNNNNNNNNNNNNNNN TTTTTAAGCTTGGGG

CCCCTTCTAGATTTTT NNNNNNNNNNNNNNNNNNN AAAAATTCGAACCCC

Cleavage with Hind III / Bgl II

GATCTAAAAA NNNNNNNNNNNNNNNNNN TTTTTA

ATTTTT NNNNNNNNNNNNNNNNNN AAAAATTCGA

Cloning into a plasmid with H1 promoter in reversed direction

GATCTAAAAA NNNNNNNNNNNNNNNNN AAAAATTCGA

H1 promoter

plasmid

B.

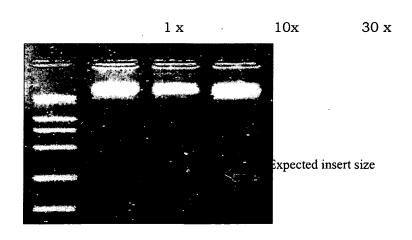


Figure 2.

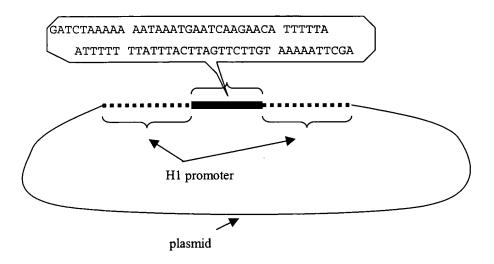
A.

GGGGAAGATCTAAAAA AATAAATGAATCAAGAACA TTTTTAAGCTTGGGG CCCCTTCTAGATTTTT TTATTTACTTAGTTCTTGT AAAAATTCGAACCCC

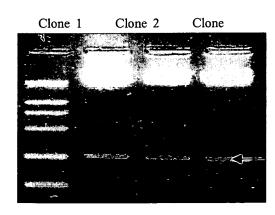
Two oligos were annealed and Cleavage with Hind III / Bgl II

GATCTAAAAA AATAAATGAATCAAGAACA TTTTTA

ATTTTT TTATTTACTTAGTTCTTGT AAAAATTCGA
Cloning into a plasmid with H1 promoter in reversed direction



B.



Expected insert size

Figure 2 (contd)

C.

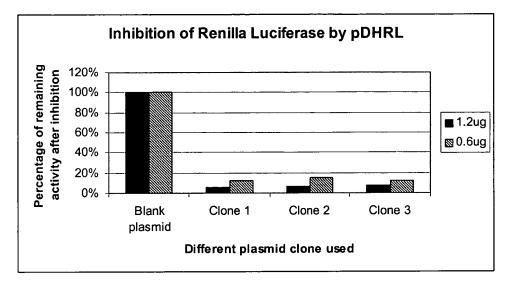
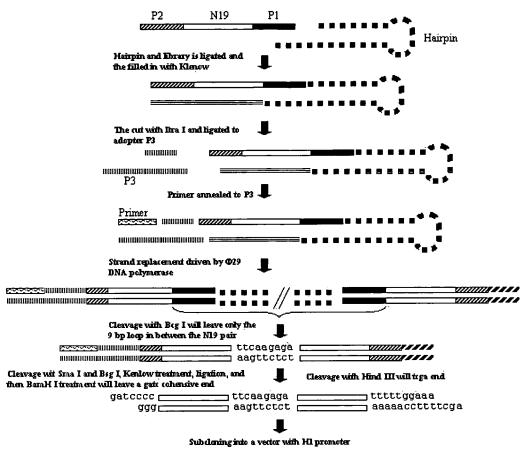


Figure 3.

A.



B.

P1: TTC AAG AGA

P2. ACA AAG CTT TTC CAA AAA

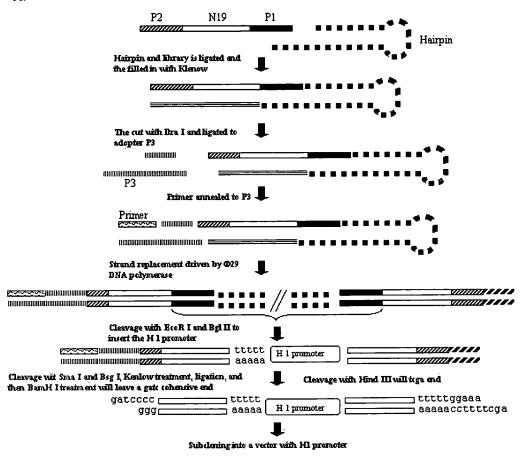
N19: NNN NNN NNN NNN NNN N

Hairpin: CAC ACG TGT CTT CGA ACA CAA TGC TAA TCT CTT GAA

P3: AGC TTA CTG CAC CC GGG GAT CCT GTT

Primer: AAC TGG ATC CCC GGG GTG CAG

Fimire 4.



B.

P1: TTT TTG GAT CC

P2. ACA AAG CTT TTC CAA AAA

N19: NNN NNN NNN NNN NNN N

Hairpin: GGG AGA TCT TCG CTT CAA CGA AGA TCT CCC GGA TCC AAA AA

P3: AGC TTA CTG CAC CC GGG GAT CCT GTT

Primer: AAC TGG ATC CCC GGG GTG CAG